State Data Center
Cost Allocation Plan
Fiscal Year 2012

By Rodney Fortson 08/11/11

Introduction (A)

Contents

The details of the cost allocation plan and resulting billing rates are presented in sections A through G. In summary these are:

- Introduction (Section A) – CAP methodology, and explanation of terms.
- Budget Summary (Section B) - Summarized anticipated expenditures for personnel and operating expenses for the SDC.
- Budget Detail (Section C) - Itemized estimated expenditures for the SDC. Yearly salaries by position, fringe benefits, and itemized expense and equipment by cost center are identified and totaled to arrive at the total SDC operating budget.
- Utilization Estimates by Customer (Section D) - estimated utilization for each service available by customer.
- Billing Rate Derivation (Section E) - Itemized list of costs allocated to a specific service and the rate calculation for that service.
- Cost Estimates by Customer (Section F) - Estimated billings for each customer based on the customer's estimated utilization and the rate.
- Rate Comparison (Section G) - Comparison of the current rates to the rates for the past four years.

Cost Allocation Method

A cost-based development method was employed in establishing billing rates. The benefits of this cost based method are two. First, it is a full-cost recovery process. That is, both direct and indirect costs are included, which minimizes the potential problem of under/over recovery of the SDC's total budgeted costs. Second, each customer is treated in an equitable manner. That is, the rate is based upon the amount of resources used.

This method requires the development of a cost allocation plan which is accomplished through the execution of the following work steps.

1. Determine rate category for services provided - the types of customer services provided by the SDC are identified and approved by the Steering Committee.

2. Establish units of service - the unit of service used to measure the volume of service provided for each service type is established based on three major criteria:

    a. relationship to the function performed
    b. measurability
    c. controllability by the customer

3. Compile customer estimated utilization - the estimated utilization by customer for each service provided is compiled. The individual estimates are then totaled to develop the basis for computation of the billing rate.

    NOTE: Utilizations for FY11 were used as a basis for developing the FY12 estimates.

4. Identify types of cost - two basic types of cost are identified, allocated direct and allocated indirect. Allocated direct costs are those personnel and expense and equipment costs that can be directly identified with providing a type of service. Allocated indirect costs are related support costs that cannot be directly identified with providing a specific type of service.

5. Determine allocated direct costs - budgeted personnel and expense and equipment costs that can be directly identified with providing a specific type of service are accumulated to determine total allocated direct costs by type of service.

6. Determine allocated indirect costs - budgeted costs identified as allocated indirectly are prorated among the types of service.

7. Summarize total costs by service - total cost by service is determined by adding the direct and indirect allocated costs and job costs.

8. Calculate rate per unit of service - the rate per unit of service is calculated by dividing the total annual cost by the total estimated annual utilization.

Explanation of Terms

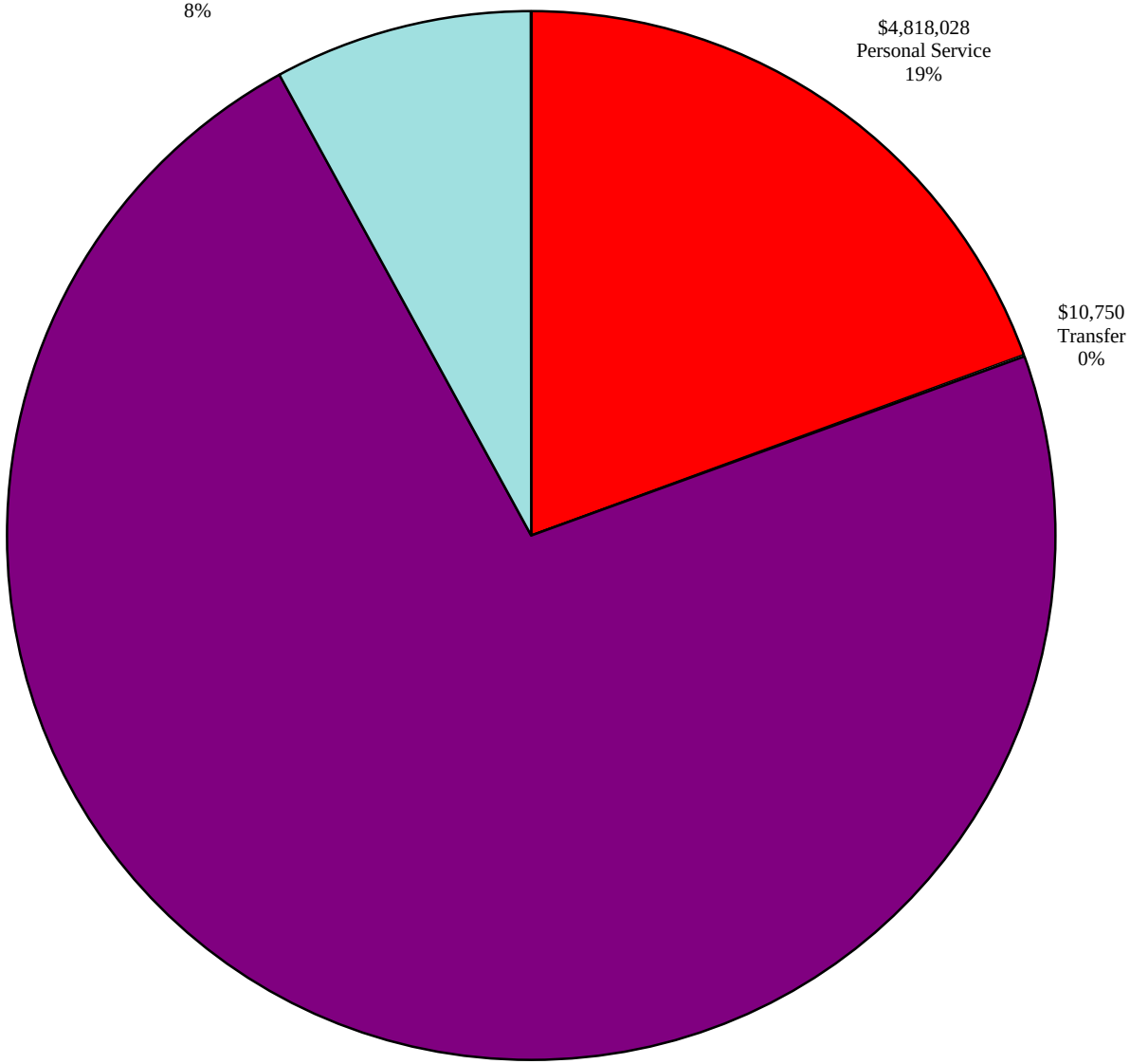
- Allocated Direct - Personnel service and expense and equipment costs that are directly identified with providing a specific type of service. For example, CICS software product cost is directly allocated to CICS Transactions.
- Allocated Indirect - Personnel service and expense and equipment costs that are not identified as being directly attributable to a specific type of service. For example, office supplies is allocated pro-rata to all types of services.
- CICS Transaction - A CICS Transaction is a request, made at a workstation, for a display of information on the workstation or the storage of information being entered from the workstation.
- COOL:Gen (Composer) Service Units - A COOL:Gen Service Unit is a translation of CPU resources used for batch jobs and TSO transactions when using the COOL:Gen product.
- CPU Service Unit - CPU resources used for batch jobs, TSO transactions, CICS transactions, IDMS transactions, Roscoe transactions, FOCUS, and DB2 transactions are monitored and measured in CPU service units. Service units used by DB2 transactions are reported under CICS, TSO, and Batch.
- AD\Exchange - These are costs associated with Active Directory and Email services to the customers. Costs are based on the number of accounts and\or the amount of email being stored on the servers.
- Data Domain – A Data Deduplication and Replication Appliance used for backups .
- Data Storage Management (DSM) - Data Storage Management is the utilization of data storage on tape and on HSM DASD. Utilization is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- DB2 Service Units - A DB2 Service Unit is a translation of resources used by the DB2 product.
- Direct Access Storage - Direct Access Storage is measured in gigabytes (billions of characters) allocated to customer and SDC data.
- IDMS Run Unit - An IDMS run unit is an online or batch request to access data managed by the IDMS data base system.
- Laser Feet, Duplex Printing and Lines Printed - Print is based on lines printed (impact) or feet printed (laser/duplex) from the SDC mainframe printers.
- Job Costs - These are costs associated with backup, maintenance and monitoring of systems that are required to provide customer services. These costs are applied to the appropriate type of service.
- Tivoli Storage Management (TSM) – Is an IBM software product that is used by customers to backup their servers and desktops. Cost to customers is based on how much backup storage they occupy.

Explanation of Terms Continued

- SAN (Storage Area Network)- Disk Storage used by the Open System environment.
- Server Support – Server Support encompasses the many tasks of managing a physical server and it's infrastructure.
- VM (Virtual Machine) – A Virtual Machine is a technique using specialized software to combine images of multiple servers on a single machine.
- WAS (WebSphere Application Server) – IBM's J2EE application server providing a platform for running java applications with EJB, Web Services, and other Feature Packs.
- CPU Priority Adjustment - CPU Priority Adjustments are based on the batch job priority classes defined by the customers and the time of day for TSO usage. Low priority jobs are billed at 75 percent of the normal CPU billing rate. These jobs are processed during the second and third shifts. Class '1' jobs are billed at 65 percent of the normal CPU billing rate. These jobs are processed during weekends and holidays. TSO CPU, FOCUS CPU, and Roscoe CPU usage during non-prime hours (5 p.m. to 7 a.m.) is billed at 75 percent of normal CPU billing rate.

Budget Summary (B)

FY12 State Data Center
Budget Summary

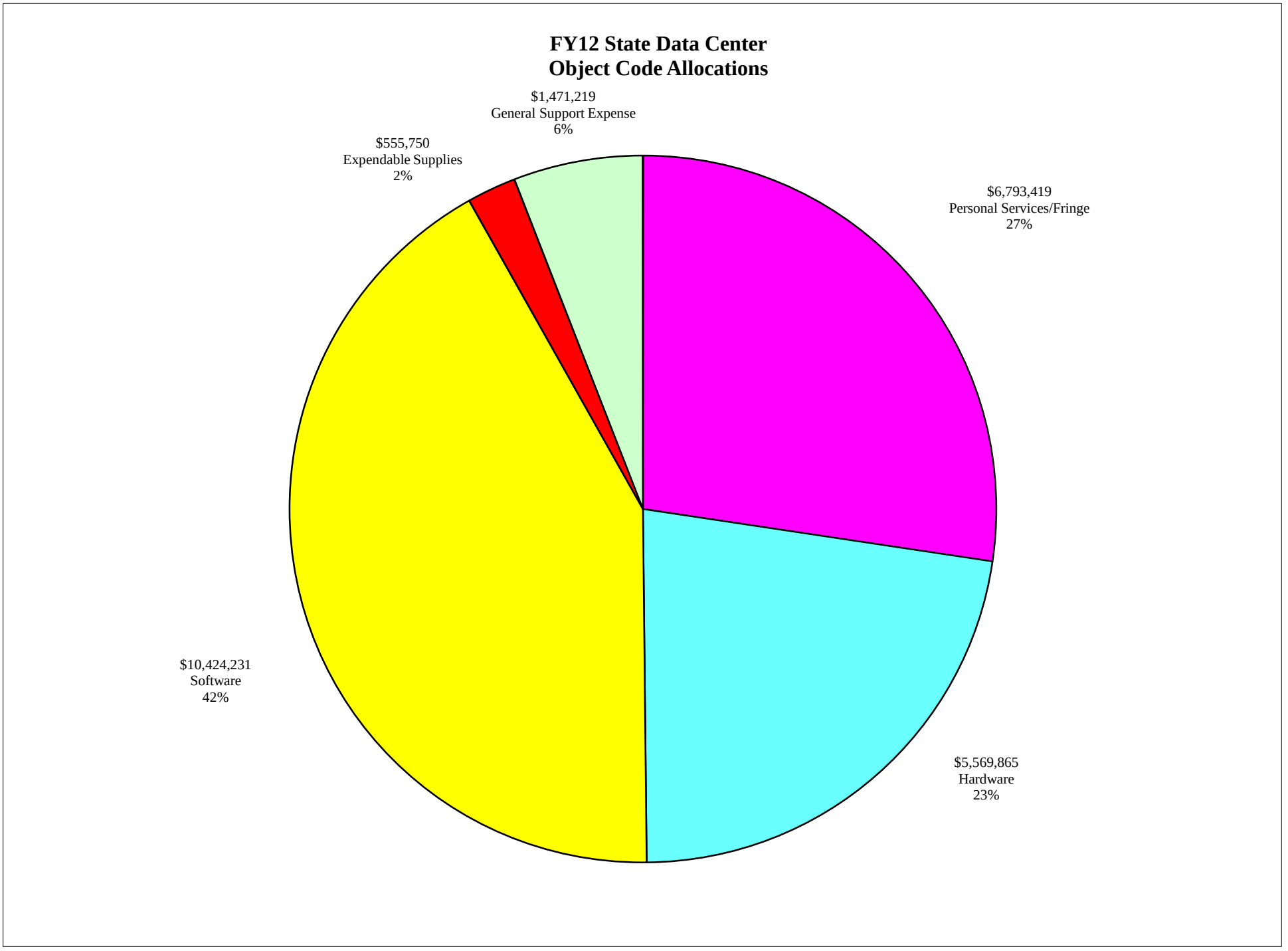


State Data Center
Cost Allocation Plan
Fiscal Year 2012

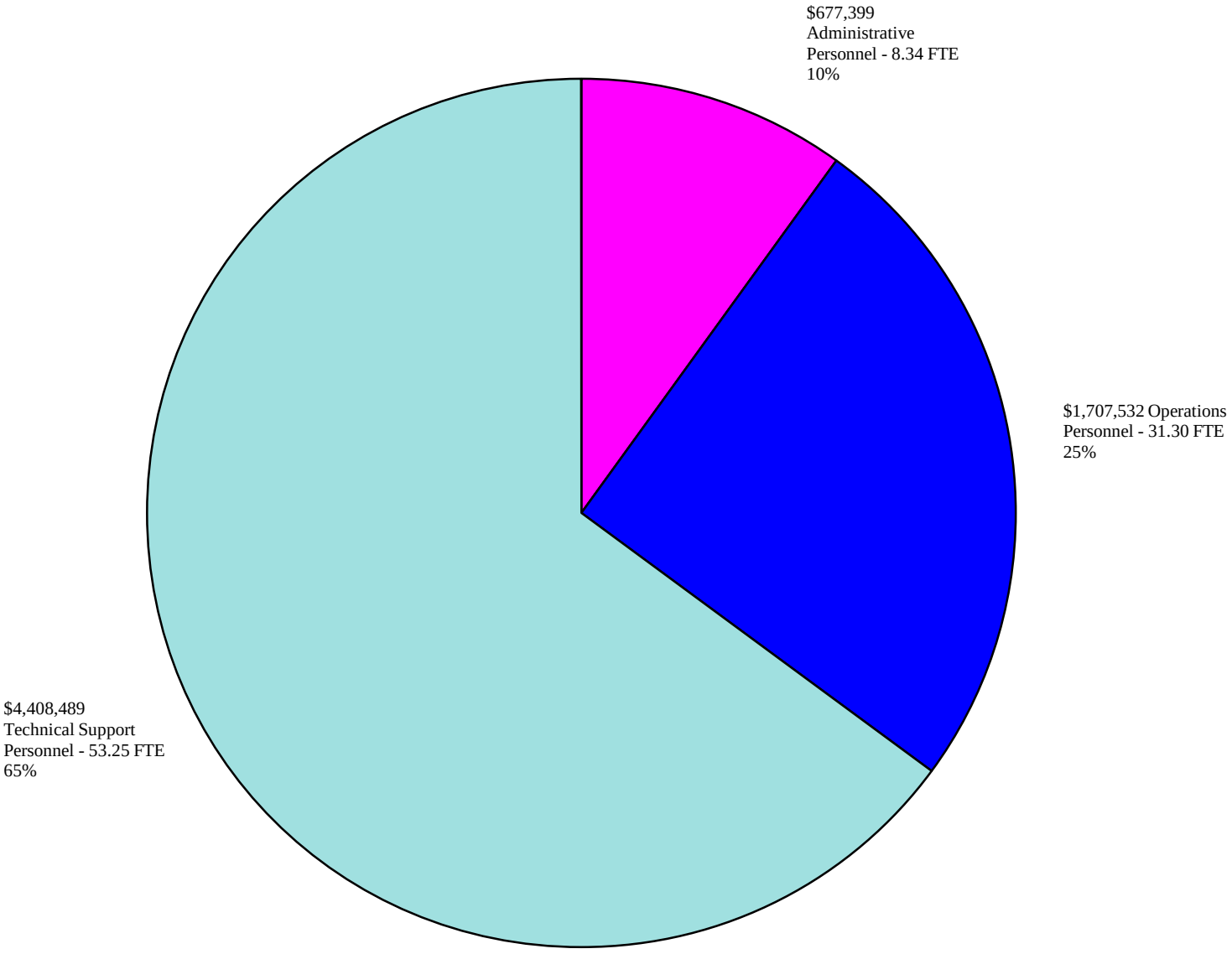
FY12 Budget Summary
State Data Center

	Revolving Fund
Personal Service	**$4,818,027**
Expense and Equipment	**$18,010,314**
Transfers	**$10,750**
FICA, Pension and Insurance	**$1,975,391**
Total Budgeted Costs	**$24,814,483**

Budget Detail (C)


FY12 State Data Center
Object Code Allocations
$1,471,219
General Support Expense
6%
$555,750
Expendable Supplies
2%
$6,793,419
Personal Services/Fringe
27%
$10,424,231
Software
42%
$5,569,865
Hardware
23%

FY12 State Data Center
Personnel Allocation



State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Budget Detail
State Data Center

Item Number	Description	$ FY11 CAP	$ FY12 CAP
Personnel			
	Administrative Personnel		
1	Accounting Analyst III (.25 FTE)	13,933	13,933
2	Accounting Specialist I (.25 FTE)	10,626	10,626
3	Accounting Specialist II (.25 FTE)	11,562	11,562
4	Accounting Specialist III	51,156	51,156
5	Administrative Office Support Assistant (.25 FTE)	6,344	6,344
6	Administrative Office Support Assistant (.25 FTE)	6,943	6,943
7	Administrative Sr. Office Support Assistant (.29 FTE)	10,242	10,242
8	CIO (.29 FTE)	34,985	34,985
9	Computer Information Technology Manager I (.29 FTE)	20,286	20,286
10	Computer Information Technology Specialist I (.29 FTE)	16,141	16,141
11	Computer Information Technology Specialist III (.29 FTE)	17,486	17,486
12	Computer Information Technology Supervisor II	56,678	56,678
13	Deputy for Administration (.29 FTE)	24,958	24,958
14	Deputy for Infrastructure (.29 FTE)	24,958	24,958
15	Deputy for Operations (.29 FTE)	26,435	26,435
16	Executive I (.25 FTE)	8,661	8,661
17	Executive II (.25 FTE)	10,015	10,015
18	Executive II (.29 FTE)	10,990	10,990
19	Fiscal & Administrative Manager Band 2 (.25 FTE)	14,469	14,469
20	Fiscal & Administrative Manager Band 2 (.25 FTE)	16,769	16,769
21	Miscellaneous Technical (.15 FTE)	4,214	4,214
22	Office Of Administration Manager Band 2 (.29 FTE)	21,541	21,541
23	Procurement Officer I (.25 FTE)	11,055	11,055
24	Procurement Officer II (.25 FTE)	12,021	12,021
25	Section Manager Div Of Information Services (.29 FTE)	20,853	20,853
26	Special Asstistant Professional (.29 FTE)	17,103	17,103
	Total Administrative Personnel	**$480,425**	**$480,425**
	Computer Operations Personnel		
1	Computer Information Technologist II	0	0
2	Computer Information Technologist III	0	0
3	Computer Information Technologist Trainee\I\II\III	0	0
4	Computer Information Technology Specialist I	0	0
5	Computer Information Technology Supervisor I (.30 FTE)	17,713	17,713
6	Computer Operations Supervisor I	45,133	45,133
7	Computer Operations Supervisor I	44,868	44,868
8	Computer Operations Supervisor I	43,142	43,142
9	Computer Operations Supervisor I	46,999	46,999
10	Computer Operations Supervisor I	46,031	46,031
11	Computer Operations Supervisor II	46,031	46,031
12	Computer Operator I	36,349	36,349
13	Computer Operator I	34,326	34,326
14	Computer Operator I	37,063	37,063
15	Computer Operator I	29,164	29,164

FY12 Budget Detail continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
16	Computer Operator II	34,988	34,988
17	Computer Operator II	30,273	30,273
18	Computer Operator II	26,259	26,259
19	Computer Operator II	32,532	32,532
20	Computer Operator II	26,680	26,680
21	Computer Operator II	33,122	33,122
22	Computer Operator III	30,820	30,820
23	Computer Operator III	35,634	35,634
24	Computer Operator III	44,868	44,868
25	Computer Operator III	43,142	43,142
26	Computer Operator III	29,611	29,611
27	Computer Operator Trainee	28,139	28,139
28	Computer Operator Trainee	22,231	22,231
29	Computer Operator Trainee	25,810	25,810
30	Information Technologist I	43,984	43,984
31	Information Technologist II	39,170	39,170
32	Information Technologist II	37,023	37,023
33	Information Technologist III	41,680	41,680
34	Information Technologist III	48,964	48,964
35	Information Technologist IV	48,964	48,964
36	Manager of Operations	60,304	60,304
	Operations Overtime	20,000	20,000
	Total Computer Operations Personnel	**$1,211,016**	**$1,211,016**
	Technical Support Personnel		
1	Computer Information Technologist I (.75 FTE)	24,431	24,431
2	Computer Information Technologist I (.8 FTE)	28,507	28,507
3	Computer Information Technology Manager I (.5 FTE)	27,083	27,083
4	Computer Information Technology Specialist I	49,104	49,104
5	Computer Information Technology Specialist I	61,620	61,620
6	Computer Information Technology Specialist I	52,200	52,200
7	Computer Information Technology Specialist I	49,932	49,932
8	Computer Information Technology Specialist I	46,999	46,999
9	Computer Information Technology Specialist I	55,448	55,448
10	Computer Information Technology Specialist I	54,283	54,283
11	Computer Information Technology Specialist I	65,693	65,693
12	Computer Information Technology Specialist I	52,038	52,038
13	Computer Information Technology Specialist I	50,070	50,070
14	Computer Information Technology Specialist I	73,103	73,103
15	Computer Information Technology Specialist I	54,360	54,360
16	Computer Information Technology Specialist I	59,041	59,041
17	Computer Information Technology Specialist I	51,153	51,153
18	Computer Information Technology Specialist I	51,013	51,013
19	Computer Information Technology Specialist I	61,553	61,553
20	Computer Information Technology Specialist I	62,914	62,914

FY12 Budget Detail continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
21	Computer Information Technology Specialist I	53,174	53,174
22	Computer Information Technology Specialist I	60,304	60,304
23	Computer Information Technology Specialist I	62,914	62,914
24	Computer Information Technology Specialist I	60,324	60,324
25	Computer Information Technology Specialist I	49,104	49,104
26	Computer Information Technology Specialist I	50,076	50,076
27	Computer Information Technology Specialist I	48,084	48,084
28	Computer Information Technology Specialist I (.5 FTE)	31,457	31,457
29	Computer Information Technology Specialist I (.5 FTE)	30,776	30,776
30	Computer Information Technology Specialist I (.5 FTE)	34,972	34,972
31	Computer Information Technology Specialist II	53,292	53,292
32	Computer Information Technology Specialist II	61,620	61,620
33	Computer Information Technology Specialist II	54,283	54,283
34	Computer Information Technology Specialist II	62,914	62,914
35	Computer Information Technology Specialist II	55,448	55,448
36	Computer Information Technology Specialist II	55,448	55,448
37	Computer Information Technology Specialist II	59,041	59,041
38	Computer Information Technology Specialist II	71,602	71,602
39	Computer Information Technology Specialist II	59,339	59,339
40	Computer Information Technology Specialist II	64,276	64,276
41	Computer Information Technology Specialist II	67,079	67,079
42	Computer Information Technology Specialist II	61,620	61,620
43	Computer Information Technology Specialist II	57,864	57,864
44	Computer Information Technology Specialist II	61,620	61,620
45	Computer Information Technology Specialist II (.8 FTE)	46,292	46,292
46	Computer Information Technology Specialist II (.8 FTE)	53,678	53,678
47	Computer Information Technology Specialist III	70,058	70,058
48	Computer Information Technology Specialist III	74,787	74,787
49	Computer Information Technology Specialist III (.8 FTE)	50,332	50,332
50	Computer Information Technology Specialist III (.8 FTE)	53,678	53,678
51	Computer Information Technology Supervisor I	55,397	55,397
52	Computer Information Technology Supervisor II	69,948	69,948
53	Computer Information Technology Supervisor II	67,097	67,097
54	Director of State Data Center (.5 FTE)	39,996	39,996
55	Information Technologist IV	48,964	48,964
56	Information Technologist IV	46,999	46,999
57	Information Technologist IV	47,184	47,184
	Technical Support Overtime	45,000	45,000
	Total Technical Support Personnel	**$3,126,587**	**$3,126,587**
	Total Personnel	**$4,818,027**	**$4,818,027**
	Total Fringe Benefits	**$1,975,391**	**$1,975,391**
	Total Personnel and Fringe Benefits	**$6,793,419**	**$6,793,419**

FY12 Budget Detail continued

Item Number	Description				$ FY11 CAP	$ FY12 CAP
Normalized Salary for Computer Operations Personnel		**$1,211,016**	**/ 31.3**	**=**	**$38,691**	
Normalized Salary for Technical Support Personnel		**$3,126,587**	**/ 53.25**	**=**	**$58,715**	
	Hardware Lease					
102	Blade Center Lease				73,843	0
103	CPU				890,319	890,319
104	CPU Annual Growth Upgrades				642,800	642,800
105	DASD				0	0
106	DASD Growth				330,400	330,400
108	Disaster Recovery CPU (Springfield Site)				0	242,823
111	High Density Tape Drive (VTSM) Growth				50,000	50,000
113	SAN DASD				0	170,472
114	VSM Upgrade				135,000	35,000
116	InfoPrint 4000 Upgrade				300,000	300,000
	Total Hardware Lease				**$2,422,362**	**$2,661,814**
	Hardware Maintenance					
203	Automatic Tape Library				0	0
204	CPU				381,368	398,839
205	DASD				9,500	50,099
213	Escon Director / Sysplex Timer				0	0
214	External Coupling Facility				22,898	21,857
217	Local Communications Controller				430	0
219	Modem Enclosure				319	0
222	Print Unwinder/Job Sep/CTS				85,825	85,825
223	Printer Usage				181,000	181,000
224	Printer-Impact				6,000	1,500
225	Printer-Laser				86,967	86,967
227	Remote Communications Controller				9,724	9,724
230	Service Processor				723	723
231	Server and Server Storage				286,493	286,493
233	GTX Qualifier Maintenance				2,000	0
234	Tape Unit				41,864	41,864
236	FICON Directors				18,000	40,000
237	Virtual Tape				0	0
239	Batteries/UPS Maintenance				40,000	42,000
240	Generator Maintenance				7,037	7,741
241	Console Support Controller				1,229	1,290
242	Servers - Maintenance Renewals				21,600	35,400
	Total Hardware Maintenance				**$1,202,977**	**$1,291,322**
	Software Lease					
301	ACF/NCP				10,380	10,380
302	ACF/SSP				17,352	19,080
303	Softek TDMF Replicator for zOS				20,286	21,300
304	ASF V3 Base plus Document Writing				21,132	23,232

FY12 Budget Detail continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
305	BMC Mainview	76,000	71,600
306	CICS Transaction Gateway	15,450	48,585
307	CICS/TS V5	966,684	1,093,296
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	6,495	8,093
310	DCF Base	25,428	27,960
311	AFP Toolbox (Toolkit)	0	3,540
313	DSF/DSS/HSM OS/390 V2	133,764	140,453
318	HSM Fast Audit Software	5,405	0
319	IBM Websphere App Svr V5 (WAS for z/OS)	36,134	33,264
321	Interactive Output Facility (IOF)	6,020	6,321
324	WebSphere MQ for Z/OS	312,972	349,596
328	OGL/370 V1	4,752	5,220
329	OS/390 Version 2	1,947,564	2,044,945
330	AFP Toolbox for MVS	6,876	3,660
331	PL/1 Alternate Function	120,396	120,396
332	PSF/MVS	20,748	20,748
333	SDF II MVS	24,828	27,300
338	DB2 for Z/OS V9	834,096	917,832
341	UDB - DB2 Utilities Suite	26,865	30,261
343	Antivirus For Exchange	95,040	25,000
	Total Software Lease	**$4,867,495**	**$5,184,890**
Software Lease			
401	Axceler ControlPoint	0	14,500
403	CA All Fusion	30,672	29,939
404	CA Intertest W/XA-ESA-Batch	74,695	74,695
405	CA Intertest W/XA-ESA-CICS	103,147	103,147
406	CA Librarian	168,147	168,147
408	CA Restart/Recover (CA11)	54,254	54,254
409	CA Roscoe	0	0
410	CA Scheduling Package (CA7)	160,006	160,006
411	CA TMS (CA1)	59,741	59,741
412	CA UNIPAK	1,455,968	1,455,968
413	IBM Tivoli Omegamon DE V3	39,006	45,813
414	IBM Tivoli Omegamon XE CICS V3	75,959	45,813
415	CL/Supersession for z/OS	77,328	48,104
416	IBM Tivoli Omegamon XE DB2 V4	70,484	96,512
417	IBM Tivoli Omegamon XE z/OS V2	97,858	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	20,701	27,225
419	DB2 Connect	10,328	37,247
420	Allen System Group Job Scan/Docu Text	38,091	39,780
421	Document Management Systems (MOBIUS)	80,061	84,937
422	Dumpmaster MVS	99,902	99,900
423	Group 1 Software MailStream Plus	10,537	9,862
424	Group 1 Software Zip+4 (Code-1 Plus)	24,087	22,617

FY12 Budget Detail continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
425	IBI FOCUS	525,000	575,000
427	GWI	49,000	0
428	Tivoli WAS\ND	48,000	48,000
429	Insync MVS	81,469	85,539
430	IPSwitch Renewal	5,000	5,000
431	Application Time Facility (Tic Toc)	6,287	6,916
432	DB2 LUW	7,894	7,894
433	LOTUS Domino V6	13,886	13,886
434	Connect:Direct	10,000	11,000
435	Merrill Consultants MXG	3,000	3,000
436	MVS Quick Reference	31,886	34,437
437	Microsoft Premiere Support	92,397	31,000
440	Platinum DB2 Tools	338,042	338,042
441	RevealNet Reveal for DB2	2,760	2,760
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
452	SI SyncSort	22,613	18,688
454	SPC Systems - COBOL Report Writer Precompiler	2,713	2,849
460	Tivoli Storage Management	187,000	210,845
463	Vanguard Security Reporter	47,859	47,886
464	DB2 Buffer Pool Tool	23,358	19,425
466	BMC Event Manager	15,000	15,000
468	SQL	70,000	70,000
472	SDI TN3270 Emulation	11,944	13,139
474	Server Software - Maintenance Renewals	308,736	235,202
475	GSF STEPLIB/LLIBEF	3,000	3,000
476	What's Up	4,000	4,000
477	SAN Software	150,000	150,000
	Total Software Lease	**$5,206,816**	**$5,117,341**
	Hardware Purchase		
504	SAN - New/Replacement Purchases	432,782	165,876
505	Deduplication/Replication Purchase	200,000	235,210
507	Server Storage Upgrades	0	0
509	Tools for Staff	38,000	38,000
510	Servers - New/Replacement Purchases	211,000	0
511	TSM Hardware Purchase	413,549	942,212
514	VM Hardware Purchase	216,360	235,430
	Total Hardware Purchase	**$1,511,691**	**$1,616,728**
	Software Purchase		
603	Software Upgrade	0	0
605	Fax Services	0	62,000
606	TSM Software Purchase	0	0

FY12 Budget Detail continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
607	VM Software Purchase	60,000	60,000
	Total Software Purchase	**$60,000**	**$122,000**
	Expendable Supplies		
701	Magnetic Tapes & Supplies	60,000	60,000
703	Network Supplies	5,000	5,000
704	Paper and Forms	285,000	285,000
705	Paper Storage and Transport Transfer	10,750	10,750
706	Printer Supplies	175,000	195,000
	Total Expendable Supplies	**$535,750**	**$555,750**
	General Support Expense		
802	Consulting Service	65,000	35,000
803	Contracted Personnel	0	0
804	Disaster Recovery	500,000	4,950
805	IBM Global Network(Advantis)	10,000	10,000
806	Internet Access	1,500	1,500
807	IBM Server Support Line	45,000	45,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
810	Open Systems DR	81,720	81,720
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	PDU/FDC	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,300
815	Printing and Binding	3,500	3,500
816	Racks, Cabinets, Furniture & Building Changes	100,000	350,000
817	Reserve for Unplanned Expense	300,000	300,000
818	S390 SoftwarExcel	212,588	152,181
819	Security Services	25,000	25,000
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	90,000
823	Travel	27,500	27,500
825	VPN - Access Charge	9,268	9,268
827	SSL Certificates	20,000	20,000
829	Shredding	1,500	1,500
830	SAN/NAS Support Line	10,000	10,000
833	RedHat/JBoss Support	6,000	6,000
	Total General Support Expense	**$1,806,676**	**$1,471,219**
	Cost Adjustment		
900	Retained Earnings	0	0
	Total Cost Adjustment	**$0**	**$0**
Total Expense + Equipment:		**$17,613,767**	**$18,021,064**
Grand Total		**$24,407,186**	**$24,814,483**

Utilization Estimates (D)

FY12 Utilization Estimate Assumptions

The majority of the agency utilization estimates for each of the service categories were based on the 3rd quarter FY11 usage. The 3rd quarter included January, 2011 through March, 2011 data. This was the most recent quarterly data available for completion of the FY12 CAP and is the basis of the FY12 utilization estimates for most agencies. Adjustments to the 3rd quarter data are explained below as well as further explanation of the year to date and current quarter utilization.

Year To Date Utilization: is based on 9 months of actual data (July-10 through Mar-11) annualized. The total utilization for the 9 months is divided by 9 (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Only the Department of Revenue's utilization was estimated using the Year-to-Date data because of its seasonal usage.

Current Quarter Utilization: is based on the most recent quarter (3rd) of actual data annualized. This includes January, February and March, 2011 data. The total utilization for the quarter is divided by 3, (number of months of data) to equal an average month and then multiplied by 12, for a yearly total. The categories are then increased by the percentages below. Agency's FY12 usage was based on the current quarter data except for the Department of Revenue.

Category of Service	Standard Adjustments
CICS Transactions	Straight Utilization, flat growth, no increase for FY12.
CPU	Straight Utilization, flat growth, no increase for FY12.
Data Storage Management (DSM)	Straight Utilization, flat growth, no increase for FY12.
DB2	Straight Utilization, flat growth, no increase for FY12.
Disk Storage (DASD)	10% standard growth rate for all agencies.

FY12 Utilization Estimate Assumptions Continued

Other Utilization Notes

- Dept. of Revenue is Year To Date Utilization (9 months of actual utilization annualized) as opposed to current quarter.

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FY12 Utilization Estimates by Customer

Agency	CICS Transactions	All Fusion Service Units	CPU Service Units
Senate	51,460	0	15,909,092
House of Representatives	152,000	0	92,615,964
Legislative Research	18,392	0	2,651,452
State Courts Administrator	1,307,472	0	707,791,860
Secretary of State	459,532	0	393,786,102
Auditor	76,132	0	64,193,217
Treasurer	88,060	0	21,181,094
Attorney General	281,280	0	96,622,608
OA/ITSD Systems & Programming	456,948	315,638,316	7,720,670,298
OA/Missouri Ethics Commission	12,128	0	12,748,356
OA/Depty Commissioner	319,336	0	355,078,742
OA/Accounting	4,650,484	0	3,677,165,606
OA/Budget and Planning	158,412	0	76,763,801
OA/ITSD Production	12,159,232	276,656	60,690,817,745
OA/Design and Construction	313,176	0	130,000,055
OA/Personnel	9,921,524	0	2,088,779,033
OA/Purchasing	653,628	0	500,377,444
OA/General Services	2,515,600	0	1,017,812,984
OA/Facilities Management	936,928	0	410,959,339
OA/Administrative Hearing Commission	8,112	0	3,445,972
OA/OIT	0	0	0
Dept of Agriculture	489,620	0	180,720,916
Dept of Insurance	479,188	0	624,110,356
Dept of Conservation	678,580	0	357,823,996
Dept of Economic Development	1,938,792	0	3,258,091,179
Dept of Elementary & Secondary ED	2,389,396	0	963,131,046
Dept of Higher Education	239,848	0	165,641,762
Dept of Health & SS	27,083,884	0	17,533,507,242
Dept of Transportation	17,538,788	0	8,779,615,347
Dept of Labor & Industrial Relation	193,917,432	3,140,320	71,576,370,231
Dept of Mental Health	8,938,644	40,912	16,769,463,088
Dept of Natural Resources	3,218,324	396	7,786,066,899
Dept of Public Safety	2,421,616	0	1,384,860,339
Missouri State Highway Patrol	601,742,356	57,975,164	123,783,860,261
Kansas City Police Dept	20,233,548	0	1,105,276,440
ReJIS	61,233,412	0	3,581,591,104
Dept of Revenue	144,920,795	0	228,717,000,471
Lottery Commission	199,500	0	59,558,301
State Tax Commission	46,140	0	11,260,328
Highway Reciprocity Commission	0	0	136,708
Dept of Social Services	1,469,880,328	3,341,391,880	668,216,832,393
Dept of Corrections	9,200,756	0	2,872,942,848
Others	1,491,984	0	141,858,912
Agency Total :	**2,602,822,767**	**3,718,463,644**	**1,235,949,090,931**
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	0	0	0
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
Job Costs :	**0**	**0**	**0**
Grand Total :	**2,602,822,767**	**3,718,463,644**	**1,235,949,090,931**

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FY12 Utilization Estimates by Customer

Agency	Tivoli Storage Management	Data Storage Management	DB2 Service Units
Senate	0	0	13,846,932
House of Representatives	0	0	87,773,636
Legislative Research	0	0	2,498,388
State Courts Administrator	0	1,403	624,831,868
Secretary of State	0	1,459	396,839,080
Auditor	0	80,155	41,649,640
Treasurer	1,182,860	1,029	18,523,564
Attorney General	0	0	102,358,796
OA/ITSD Systems & Programming	22,432,663	917,222	2,686,677,160
OA/Missouri Ethics Commission	0	0	13,137,572
OA/Depty Commissioner	0	0	376,884,508
OA/Accounting	0	3,030	3,268,957,932
OA/Budget and Planning	214,211	0	65,668,660
OA/ITSD Production	1,596,011	7,351,475	28,598,317,748
OA/Design and Construction	0	4,280	114,406,880
OA/Personnel	0	761	1,588,494,996
OA/Purchasing	0	17	280,785,252
OA/General Services	0	20,898	957,816,048
OA/Facilities Management	903,271	1,880	339,621,672
OA/Administrative Hearing Commission	0	0	3,312,448
OA/OIT	0	0	0
Dept of Agriculture	0	0	192,633,156
Dept of Insurance	857,009	4,332	663,510,728
Dept of Conservation	0	0	337,179,548
Dept of Economic Development	6,093,317	268,012	710,653,604
Dept of Elementary & Secondary ED	175,858	3	940,930,608
Dept of Higher Education	1,738,821	0	185,878,036
Dept of Health & SS	0	614,056	11,241,059,424
Dept of Transportation	0	497	8,013,239,836
Dept of Labor & Industrial Relation	5,453,371	10,299,977	6,258,333,612
Dept of Mental Health	79,180,253	1,725,849	17,035,586,224
Dept of Natural Resources	0	604,518	7,389,667,684
Dept of Public Safety	2,478,266	1	1,448,121,440
Missouri State Highway Patrol	0	1,439,929	56,316,274,468
Kansas City Police Dept	0	0	0
ReJIS	137,140	0	0
Dept of Revenue	49,318,817	15,721,817	134,224,964,785
Lottery Commission	0	0	57,105,508
State Tax Commission	0	3	11,360,064
Highway Reciprocity Commission	0	2,817	0
Dept of Social Services	12,914,937	22,831,784	673,804,993,872
Dept of Corrections	2,741,487	0	2,861,430,508
Others	0	0	7,737,380
Agency Total :	**187,418,293**	**61,897,206**	**961,283,063,265**
FOCUS Job Costs	0	0	0
CICS Job Costs	0	735,461	0
CPU Job Costs	119,487,137	25,606,728	0
DB2 Job Costs	0	1,914,515	0
IDMS Job Costs	0	183,134	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
Job Costs :	**119,487,137**	**28,439,838**	**0**
Grand Total :	**306,905,430**	**90,337,044**	**961,283,063,265**

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FY12 Utilization Estimates by Customer

Agency	Direct Access Storage	AD User ID	AD Exchange Mailboxes
Senate	0	12	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	5	84	0
Secretary of State	193	84	0
Auditor	242	36	0
Treasurer	21	456	0
Attorney General	0	2,740	12
OA/ITSD Systems & Programming	292,648	1,740	3,104
OA/Missouri Ethics Commission	0	120	372
OA/Depty Commissioner	0	24	820
OA/Accounting	213	0	564
OA/Budget and Planning	0	24	760
OA/ITSD Production	926,179	80	1,256
OA/Design and Construction	171	0	0
OA/Personnel	3,657	84	848
OA/Purchasing	14	48	768
OA/General Services	1,237	116	1,172
OA/Facilities Management	103	472	6,904
OA/Administrative Hearing Commission	0	12	328
OA/OIT	0	0	0
Dept of Agriculture	0	340	4,484
Dept of Insurance	25	472	8,128
Dept of Conservation	1	72	0
Dept of Economic Development	24,339	16,768	9,108
Dept of Elementary & Secondary ED	0	5,372	18,712
Dept of Higher Education	0	308	1,200
Dept of Health & SS	5,890	1,828	28,272
Dept of Transportation	203	192	0
Dept of Labor & Industrial Relation	325,308	1,548	14,024
Dept of Mental Health	58,940	257,160	75,372
Dept of Natural Resources	7,707	16,372	23,560
Dept of Public Safety	1	1,352	15,776
Missouri State Highway Patrol	54,931	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	1,257,004	6,868	20,923
Lottery Commission	0	0	0
State Tax Commission	0	96	796
Highway Reciprocity Commission	483	0	0
Dept of Social Services	4,897,925	7,864	107,336
Dept of Corrections	0	7,924	159,328
Others	0	24	120
Agency Total :	**7,857,442**	**330,692**	**504,047**
FOCUS Job Costs	0	0	0
CICS Job Costs	24,925	0	0
CPU Job Costs	544,731	64	944
DB2 Job Costs	110,536	0	0
IDMS Job Costs	55,481	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	60,225	0	0
VM Job Costs	0	0	0
Job Costs :	**795,898**	**64**	**944**
Grand Total :	**8,653,340**	**330,756**	**504,991**

State Data Center
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FY12 Utilization Estimates by Customer

Agency	IDMS Run Units	Print (Lines)	Print (Laser)
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	126,496	0	252
Secretary of State	2,332	0	0
Auditor	0	0	652
Treasurer	0	0	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	18,936	0	12,032
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	184,956	36,960
OA/Budget and Planning	0	0	7,064
OA/ITSD Production	44	0	765,779
OA/Design and Construction	212	0	0
OA/Personnel	6,220	0	7,764
OA/Purchasing	0	0	12,644
OA/General Services	1,364	84,576	89,792
OA/Facilities Management	0	0	18,920
OA/Administrative Hearing Commission	0	0	0
OA/OIT	0	0	0
Dept of Agriculture	0	0	0
Dept of Insurance	9,600	0	0
Dept of Conservation	91,620	0	0
Dept of Economic Development	54,744	0	142,080
Dept of Elementary & Secondary ED	0	0	0
Dept of Higher Education	0	0	0
Dept of Health & SS	16,677,428	164,456	201,768
Dept of Transportation	19,576	0	168
Dept of Labor & Industrial Relation	537,412	0	13,536
Dept of Mental Health	110,964	0	0
Dept of Natural Resources	0	0	0
Dept of Public Safety	0	0	16
Missouri State Highway Patrol	9,608,144	0	36,008
Kansas City Police Dept	2,239,484	0	0
ReJIS	10,135,728	0	0
Dept of Revenue	145,976,435	1,714,492	14,128,958
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	160,812,356	743,544	38,897,398
Dept of Corrections	0	0	0
Others	317,188	0	0
Agency Total :	**346,746,283**	**2,892,024**	**54,371,792**
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	120
CPU Job Costs	0	31,164	41,154
DB2 Job Costs	0	0	152
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	23,560
VM Job Costs	0	0	0
Job Costs :	**0**	**31,164**	**64,986**
Grand Total :	**346,746,283**	**2,923,188**	**54,436,778**

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FY12 Utilization Estimates by Customer

Agency	VM Images	Server Support	SAN Storage
Senate	0	0	0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	168	0	47,043
Attorney General	0	0	0
OA/ITSD Systems & Programming	820	12	91,669
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	0	0	0
OA/Budget and Planning	12	0	5,160
OA/ITSD Production	260	0	36,820
OA/Design and Construction	0	0	0
OA/Personnel	0	0	0
OA/Purchasing	0	0	0
OA/General Services	0	0	0
OA/Facilities Management	96	0	7,658
OA/Administrative Hearing Commission	24	0	2,977
OA/OIT	0	0	0
Dept of Agriculture	84	0	18,540
Dept of Insurance	60	116	5,161
Dept of Conservation	0	0	0
Dept of Economic Development	308	12	75,601
Dept of Elementary & Secondary ED	236	0	25,240
Dept of Higher Education	240	0	23,168
Dept of Health & SS	0	0	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	428	28	75,453
Dept of Mental Health	1,200	960	772,019
Dept of Natural Resources	640	288	358,620
Dept of Public Safety	236	12	21,432
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	789	177	224,054
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	572	48	45,237
Dept of Corrections	156	1,248	17,740
Others	0	0	0
Agency Total :	**6,329**	**2,901**	**1,853,591**
FOCUS Job Costs	0	0	0
CICS Job Costs	0	0	0
CPU Job Costs	3,996	3,484	4,250,824
DB2 Job Costs	0	0	0
IDMS Job Costs	0	0	0
IEF/COOLGen Job Costs	0	0	0
DSM Job Costs	0	0	0
VM Job Costs	0	0	0
Job Costs :	**3,996**	**3,484**	**4,250,824**
Grand Total :	**10,325**	**6,385**	**6,104,415**

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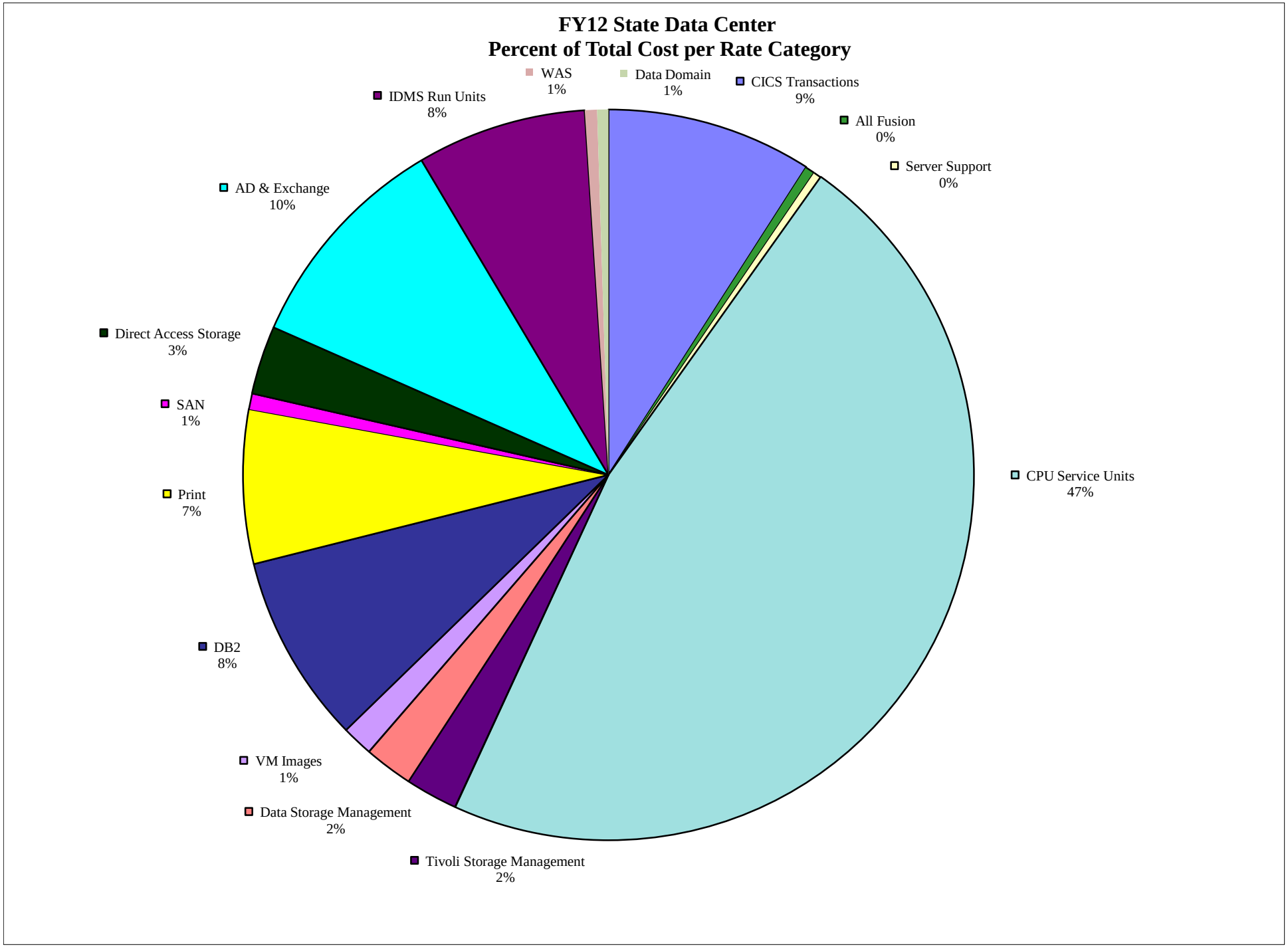
FY12 Utilization Estimates by Customer

Agency	WAS Image	Data Domain
Senate	0	0
House of Representatives	0	0
Legislative Research	0	0
State Courts Administrator	0	0
Secretary of State	0	0
Auditor	0	0
Treasurer	0	0
Attorney General	0	0
OA/ITSD Systems & Programming	0	71,038
OA/Missouri Ethics Commission	0	0
OA/Depty Commissioner	0	0
OA/Accounting	0	0
OA/Budget and Planning	0	0
OA/ITSD Production	0	0
OA/Design and Construction	0	0
OA/Personnel	0	0
OA/Purchasing	0	0
OA/General Services	0	0
OA/Facilities Management	0	0
OA/Administrative Hearing Commission	0	0
OA/OIT	0	0
Dept of Agriculture	0	16,488
Dept of Insurance	0	0
Dept of Conservation	0	0
Dept of Economic Development	0	0
Dept of Elementary & Secondary ED	0	7,996
Dept of Higher Education	48	0
Dept of Health & SS	0	0
Dept of Transportation	0	0
Dept of Labor & Industrial Relation	0	0
Dept of Mental Health	0	0
Dept of Natural Resources	72	0
Dept of Public Safety	12	216,710
Missouri State Highway Patrol	0	0
Kansas City Police Dept	0	0
ReJIS	0	0
Dept of Revenue	108	0
Lottery Commission	0	0
State Tax Commission	0	0
Highway Reciprocity Commission	0	0
Dept of Social Services	0	0
Dept of Corrections	48	0
Others	0	0
Agency Total :	**288**	**312,231**
FOCUS Job Costs	0	0
CICS Job Costs	0	0
CPU Job Costs	36	537,404
DB2 Job Costs	0	0
IDMS Job Costs	0	0
IEF/COOLGen Job Costs	0	0
DSM Job Costs	0	0
VM Job Costs	0	0
Job Costs :	**36**	**537,404**
Grand Total :	**324**	**849,635**

Billing Rate Derivation (E)


FY12 State Data Center
Percent of Total Cost per Rate Category
WAS 1%
Data Domain 1%
CICS Transactions 9%
IDMS Run Units 8%
All Fusion 0%
Server Support 0%
AD & Exchange 10%
Direct Access Storage 3%
SAN 1%
Print 7%
CPU Service Units 47%
DB2 8%
VM Images 1%
Data Storage Management 2%
Tivoli Storage Management 2%

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FY12 Billing Rate Derivation
State Data Center

Category #1

Unit of Service: **Lines/Feet Printed**
Estimated Utilization: **54,471,645**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	203,126	203,126
3	Technical Support Personnel	0	0
4	Fringe Benefits	83,282	83,282
	Total Personnel	**$286,407**	**$286,407**
116	InfoPrint 4000 Upgrade	300,000	300,000
	Total Hardware Lease	**$300,000**	**$300,000**
222	Print Unwinder/Job Sep/CTS	85,825	85,825
223	Printer Usage	181,000	181,000
224	Printer-Impact	6,000	1,500
225	Printer-Laser	86,967	86,967
	Total Hardware Maintenance	**$359,792**	**$355,292**
311	AFP Toolbox (Toolkit)	0	3,540
328	OGL/370 V1	4,752	5,220
330	AFP Toolbox for MVS	6,876	3,660
332	PSF/MVS	20,748	20,748
	Total Software Lease	**$32,376**	**$33,168**
704	Paper and Forms	285,000	285,000
705	Paper Storage and Transport Transfer	10,750	10,750
706	Printer Supplies	175,000	195,000
	Total Expendable Supplies	**$470,750**	**$490,750**
829	Shredding	1,500	1,500
	Total General Support Expense	**$1,500**	**$1,500**

State Data Center
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Print Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
	Total Expense + Equipment:	**$1,164,418**	**$1,180,710**
	Total Personnel and Expense + Equipment:	**$1,450,825**	**$1,467,117**
	Indirect Costs Allocated:	**$210,993**	**$220,580**
	Total Costs:	**$1,661,818**	**$1,687,697**

Rate Calculation Laser Feet Printed:

Total Costs/Utilization

$$\frac{\$1,687,697}{54,471,645} = \$0.03098 \text{ per foot}$$

Rate Calculation Duplex Printed:

Laser Rate x .80

$0.03098 x .80 = $0.02479 per foot

Rate Calculation Impact:

Laser Rate / 83.83 * 1,000

$0.03098 / 83.8383 * 1,000 = $0.36956 per 1,000 lines

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FY12 Billing Rate Derivation
State Data Center

Category #2

Unit of Service: **CPU Service Units**
Estimated Utilization: **1,235,949,090,931**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	679,020	679,020
3	Technical Support Personnel	528,437	528,437
4	Fringe Benefits	495,057	495,057
	Total Personnel	**$1,702,515**	**$1,702,515**
103	CPU	890,319	890,319
104	CPU Annual Growth Upgrades	642,800	642,800
108	Disaster Recovery CPU (Springfield Site)	0	242,823
	Total Hardware Lease	**$1,533,119**	**$1,775,942**
204	CPU	381,368	398,839
213	Escon Director / Sysplex Timer	0	0
214	External Coupling Facility	22,898	21,857
217	Local Communications Controller	430	0
219	Modem Enclosure	319	0
227	Remote Communications Controller	9,724	9,724
230	Service Processor	723	723
241	Console Support Controller	1,229	1,290
	Total Hardware Maintenance	**$416,691**	**$432,433**
301	ACF/NCP	10,380	10,380
302	ACF/SSP	17,352	19,080
304	ASF V3 Base plus Document Writing	21,132	23,232
305	BMC Mainview	76,000	71,600
308	COBOL for OS/390 & VM Alt	132,828	132,828
309	MacKinney Software	6,495	8,093
310	DCF Base	25,428	27,960
319	IBM Websphere App Svr V5 (WAS for z/OS)	36,134	33,264
321	Interactive Output Facility (IOF)	6,020	6,321
329	OS/390 Version 2	1,947,564	2,044,945
331	PL/1 Alternate Function	120,396	120,396
	Total Software Lease	**$2,399,729**	**$2,498,099**

CPU Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
404	CA Intertest W/XA-ESA-Batch	74,695	74,695
406	CA Librarian	168,147	168,147
408	CA Restart/Recover (CA11)	54,254	54,254
409	CA Roscoe	0	0
410	CA Scheduling Package (CA7)	160,006	160,006
413	IBM Tivoli Omegamon DE V3	39,006	45,813
414	IBM Tivoli Omegamon XE CICS V3	75,959	45,813
415	CL/Supersession for z/OS	77,328	48,104
417	IBM Tivoli Omegamon XE z/OS V2	97,858	91,626
418	Catalog/ Disk / HSM Audit and Recovery Utilities	20,701	21,820
420	Allen System Group Job Scan/Docu Text	38,091	39,780
421	Document Management Systems (MOBIUS)	80,061	84,937
422	Dumpmaster MVS	99,902	99,900
423	Group 1 Software MailStream Plus	10,537	9,862
424	Group 1 Software Zip+4 (Code-1 Plus)	24,087	22,617
425	IBI FOCUS	525,000	575,000
429	Insync MVS	81,469	85,539
430	IPSwitch Renewal	5,000	5,000
431	Application Time Facility (Tic Toc)	6,287	6,916
433	LOTUS Domino V6	13,886	13,886
434	Connect:Direct	10,000	11,000
435	Merrill Consultants MXG	3,000	3,000
436	MVS Quick Reference	31,886	34,437
443	SAS Base	153,050	153,050
444	SAS/ STAT	96,780	96,780
445	SAS/ACCESS	96,780	96,780
447	SAS/ETS	48,390	48,390
452	SI SyncSort	22,613	18,688
454	SPC Systems - COBOL Report Writer Precompiler	2,713	2,849
463	Vanguard Security Reporter	47,859	47,886
466	BMC Event Manager	15,000	15,000
472	SDI TN3270 Emulation	11,944	13,139
475	GSF STEPLIB/LLIBEF	3,000	3,000
	Total Software Maintenance	**$2,195,289**	**$2,197,714**
603	Software Upgrade	0	0

State Data Center
Cost Allocation Plan
Fiscal Year 2012

CPU Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
	Total Software Purchase	**$0**	**$0**
703	Network Supplies	5,000	5,000
	Total Expendable Supplies	**$5,000**	**$5,000**
802	Consulting Service	55,250	0
803	Contracted Personnel	0	0
804	Disaster Recovery	495,050	0
818	S390 SoftwarExcel	212,588	152,181
	Total General Support Expense	**$762,888**	**$152,181**
Total Expense + Equipment:		**$7,312,716**	**$7,061,369**
Total Personnel and Expense + Equipment:		**$9,015,231**	**$8,763,884**
Indirect Costs Allocated:		**$1,311,083**	**$1,317,645**

Job Costs:

	Lines Printed	$12
	Data Storage Management	$222,058
	Laser Feet Printed	$1,275
	Disk Storage	$52,109
	Tivoli Storage Management	$364,978
	AD	$47
	AD - Exchange	$4,119
	SAN	$397,924
	Server Support	$103,926
	VM	$213,236
	WAS	$16,717
	Data Domain	$211,514
Total JobCosts:		**$1,091,305**	**$1,587,915**
Total Costs:		**$11,417,619**	**$11,669,443**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

CPU Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP

Rate Calculation:

Total Costs/Utilization

$$\frac{\$11,669,443}{1,235,949,090,931} \times 1,000 = \$0.00944 \text{ per 1,000 Service Units}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #3

Unit of Service: **CICS Transactions**
Estimated Utilization: **2,602,822,767**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	58,036	58,036
3	Technical Support Personnel	176,146	176,146
4	Fringe Benefits	96,014	96,014
	Total Personnel	**$330,196**	**$330,196**
306	CICS Transaction Gateway	15,450	48,585
307	CICS/TS V5	966,684	1,093,296
324	WebSphere MQ for Z/OS	312,972	349,596
333	SDF II MVS	24,828	27,300
	Total Software Lease	**$1,319,934**	**$1,518,777**
405	CA Intertest W/XA-ESA-CICS	103,147	103,147
	Total Software Maintenance	**$103,147**	**$103,147**
802	Consulting Service	9,750	0
803	Contracted Personnel	0	0
	Total General Support Expense	**$9,750**	**$0**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

CICS Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
Total Expense + Equipment:		**$1,432,831**	**$1,621,924**
Total Personnel and Expense + Equipment:		**$1,763,027**	**$1,952,120**
Indirect Costs Allocated:		**$256,397**	**$293,500**
	Job Costs:		
	Lines Printed	$0	
	Data Storage Management	$6,378	
	Laser Feet Printed	$4	
	Disk Storage/Gigabyte Day	$2,384	
	AD User ID	$0	
	AD Exchange Mailboxes	$0	
	Data Domain	$0	
	WAS	$0	
Total JobCosts:		**$11,788**	**$8,766**
Total Costs:		**$2,031,211**	**$2,254,386**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,254,386}{2,602,822,767} = \$0.00087 \text{ per Transaction}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #5

Unit of Service: **Data Storage Management/Gigabyte Day**
Estimated Utilization: **90,337,044**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	135,417	135,417
3	Technical Support Personnel	146,788	146,788
4	Fringe Benefits	115,704	115,704
	Total Personnel	**$397,909**	**$397,909**
111	High Density Tape Drive (VTSM) Growth	50,000	50,000
114	VSM Upgrade	135,000	35,000
	Total Hardware Lease	**$185,000**	**$85,000**
203	Automatic Tape Library	0	0
233	GTX Qualifier Maintenance	2,000	0
234	Tape Unit	41,864	41,864
237	Virtual Tape	0	0
	Total Hardware Maintenance	**$43,864**	**$41,864**
318	HSM Fast Audit Software	5,405	0
	Total Software Lease	**$5,405**	**$0**
411	CA TMS (CA1)	59,741	59,741
418	Catalog/ Disk / HSM Audit and Recovery Utilities	0	5,405
460	Tivoli Storage Management	25,441	25,441
	Total Software Lease	**$85,182**	**$90,587**
701	Magnetic Tapes & Supplies	60,000	60,000
	Total Expendable Supplies	**$60,000**	**$60,000**
900	Retained Earnings	0	0
	Total Cost Adjustment	**$0**	**$0**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

DSM Rate Derivation continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
Total Expense + Equipment:		**$379,451**	**$277,451**
Total Personnel and Expense + Equipment:		**$777,360**	**$675,360**
Indirect Costs Allocated:		**$113,051**	**$101,540**
	Job Costs:		
	Lines Printed	$0	
	Data Storage Management	$0	
	Laser Feet Printed	$730	
	Disk Storage/Gigabyte Day	$5,761	
Total JobCosts:		**$6,603**	**$6,491**
Total Costs:		**$897,014**	**$783,392**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$783,392}{90,337,044} = \$0.00867 \text{ per Gigabyte per day}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #7

Unit of Service: **Mailboxes**

Estimated Utilization: **504,991** **AD and Exchange Mailboxes**

330,756 **AD User IDs**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	645,868	645,868
4	Fringe Benefits	264,806	264,806
	Total Personnel	**$910,674**	**$910,674**
242	Servers - Maintenance Renewals	21,600	35,400
	Total Hardware Maintenance	**$21,600**	**$35,400**
343	Antivirus For Exchange	95,040	25,000
	Total Software Lease	**$95,040**	**$25,000**
437	Microsoft Premiere Support	92,397	31,000
460	Tivoli Storage Management	0	23,845
474	Server Software - Maintenance Renewals	308,736	235,202
	Total Software Maintenance	**$401,133**	**$290,047**
504	SAN - New/Replacement Purchases	232,782	165,876
505	Deduplication/Replication Purchase	0	35,210
510	Servers - New/Replacement Purchases	211,000	0
511	TSM Hardware Purchase	0	528,663
514	VM Hardware Purchase	56,360	75,430
	Total Hardware Purchase	**$500,142**	**$805,179**
605	Fax Services	0	62,000
	Total Software Purchase	**$0**	**$62,000**
Total Expense + Equipment:		**$1,017,915**	**$1,217,626**
Total Personnel and Expense + Equipment:		**$1,928,589**	**$2,128,300**
Indirect Costs Allocated:		**$280,474**	**$319,989**
Total Costs:		**$2,209,063**	**$2,448,288**

Rate Calculation AD User ID:

AD - Exchange Rate Derivation continued

Item Number	Description		$ FY11 CAP	$ FY12 CAP
	10% Total Costs/Utilization			
	$244,829 / 330,756	= $0.74021 Monthly AD User ID Rate		

Rate Calculation AD - Exchange Mailbox (Includes AD User ID Rate):

	90% Total Costs/Utilization			
	$2,203,459 / 504,991	= $4.36337 Monthly AD - Exchange Mailbox Rate		

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #8

Unit of Service: **Direct Access Storage Gigabyte/Day**
Estimated Utilization: **8,653,340**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	38,691	38,691
3	Technical Support Personnel	58,715	58,715
4	Fringe Benefits	39,936	39,936
	Total Personnel	**$137,342**	**$137,342**
105	DASD	0	0
106	DASD Growth	330,400	330,400
	Total Hardware Lease	**$330,400**	**$330,400**
205	DASD	9,500	50,099
236	FICON Directors	18,000	40,000
	Total Hardware Maintenance	**$27,500**	**$90,099**
303	Softek TDMF Replicator for zOS	20,286	21,300
313	DSF/DSS/HSM OS/390 V2	133,764	140,453
	Total Software Lease	**$154,050**	**$161,753**
Total Expense + Equipment:		**$511,950**	**$582,252**
Total Personnel and Expense + Equipment:		**$649,292**	**$719,594**
Indirect Costs Allocated:		**$94,426**	**$108,191**
Total Costs:		**$743,719**	**$827,785**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$827,785}{8,653,340} = \$0.09566 \text{ per Gigabyte per day}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #10

Unit of Service: **IDMS Run Units**
Estimated Utilization: **346,746,283**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	38,691	38,691
3	Technical Support Personnel	73,394	73,394
4	Fringe Benefits	45,955	45,955
	Total Personnel	**$158,039**	**$158,039**
412	CA UNIPAK	1,455,968	1,455,968
	Total Software Maintenance	**$1,455,968**	**$1,455,968**
Total Expense + Equipment:		**$1,455,968**	**$1,455,968**
Total Personnel and Expense + Equipment:		**$1,614,007**	**$1,614,007**
Indirect Costs Allocated:		**$234,725**	**$242,665**
Job Costs:			
	Lines Printed	$0	
	Data Storage Management	$1,588	
	Laser Feet Printed	$0	
	Disk Storage/Gigabyte Day	$5,307	
Total JobCosts:		**$9,665**	**$6,895**
Total Costs:		**$1,858,397**	**$1,863,568**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$1,863,568}{346,746,283} = \$0.00537 \text{ per Run Unit}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #11

Unit of Service: **DB2 Service Units**
Estimated Utilization: **961,283,063,265**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	234,861	234,861
4	Fringe Benefits	96,293	96,293
	Total Personnel	**$331,154**	**$331,154**
338	DB2 for Z/OS V9	834,096	917,832
341	UDB - DB2 Utilities Suite	26,865	30,261
	Total Software Lease	**$860,961**	**$948,093**
416	IBM Tivoli Omegamon XE DB2 V4	70,484	96,512
419	DB2 Connect	10,328	37,247
432	DB2 LUW	7,894	7,894
440	Platinum DB2 Tools	338,042	338,042
441	RevealNet Reveal for DB2	2,760	2,760
464	DB2 Buffer Pool Tool	23,358	19,425
	Total Software Maintenance	**$452,866**	**$501,880**
802	Consulting Service	0	0
	Total General Support Expense	**$0**	**$0**
Total Expense + Equipment:		**$1,313,827**	**$1,449,973**
Total Personnel and Expense + Equipment:		**$1,644,981**	**$1,781,127**
Indirect Costs Allocated:		**$239,229**	**$267,791**
Job Costs:			
	Data Storage Management	$16,602	
	Laser Feet Printed	$5	
	Disk Storage/Gigabyte Day	$10,574	
Total JobCosts:		**$28,383**	**$27,181**
Total Costs:		**$1,912,593**	**$2,076,100**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$2,076,100}{961,283,063,265} \times 1,000 = \$0.00216 \text{ per } 1,000 \text{ Service Units}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #14

Unit of Service: **All Fusion CPU Srvice Units**
Estimated Utilization: **3,718,463,644**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	44,036	44,036
4	Fringe Benefits	18,055	18,055
	Total Personnel	**$62,091**	**$62,091**
403	CA All Fusion	30,672	29,939
	Total Software Maintenance	**$30,672**	**$29,939**
Total Expense + Equipment:		**$30,672**	**$29,939**
Total Personnel and Expense + Equipment:		**$92,763**	**$92,030**
Indirect Costs Allocated:		**$13,491**	**$13,837**
Job Costs:			
	Lines Printed	$0	
	Data Storage Management	$0	
	Laser Feet Printed	$0	
	Disk Storage/Gigabyte Day	$0	
Total JobCosts:		**$0**	**$0**
Total Costs:		**$106,254**	**$105,867**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$105,867}{3,718,463,644} \times 1,000 = \$0.02847 \text{ per } 1,000 \text{ Service Units}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #15

Unit of Service: **VM**
Estimated Utilization: **10,325**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	146,788	146,788
4	Fringe Benefits	60,183	60,183
	Total Personnel	**$206,971**	**$206,971**
231	Server and Server Storage	52,000	52,000
	Total Hardware Maintenance	**$52,000**	**$52,000**
514	VM Hardware Purchase	160,000	160,000
	Total Hardware Purchase	**$160,000**	**$160,000**
607	VM Software Purchase	60,000	60,000
	Total Software Purchase	**$60,000**	**$60,000**
Total Expense + Equipment:		**$272,000**	**$272,000**
Total Personnel and Expense + Equipment:		**$478,971**	**$478,971**
Indirect Costs Allocated:		**$69,657**	**$72,013**
Job Costs:			
	SAN Storage		$0
Total JobCosts:		**$0**	**$0**
Total Costs:		**$548,628**	**$550,984**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$550,984}{10,325} = \$53.36238 \text{ per Image per Month}$$

An Additional charger of $5 per Month extra for every one (1) gb of memory over our standard Configuration.

An Additional charger of $11 per Month extra for every one (1) additional virtual CPU over 3 vCPUs.

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #16

Unit of Service: **SAN**
Estimated Utilization: **6,104,415**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	58,715	58,715
4	Fringe Benefits	24,073	24,073
	Total Personnel	**$82,789**	**$82,789**
113	SAN DASD	0	170,472
	Total Hardware Lease	**$0**	**$170,472**
231	Server and Server Storage	93,493	93,493
	Total Hardware Maintenance	**$93,493**	**$93,493**
477	SAN Software	150,000	150,000
	Total Software Maintenance	**$150,000**	**$150,000**
504	SAN - New/Replacement Purchases	200,000	0
	Total Hardware Purchase	**$200,000**	**$0**
Total Expense + Equipment:		**$443,493**	**$413,965**
Total Personnel and Expense + Equipment:		**$526,282**	**$496,754**
Indirect Costs Allocated:		**$76,537**	**$74,687**
Total Costs:		**$602,819**	**$571,440**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$571,440}{6,104,415} = \$0.09361 \text{ per GB per Month}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #17

Unit of Service: **Server Support**
Estimated Utilization: **6,385**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	117,431	117,431
4	Fringe Benefits	48,147	48,147
	Total Personnel	**$165,577**	**$165,577**
Total Expense + Equipment:		**$0**	**$0**
Total Personnel and Expense + Equipment:		**$165,577**	**$165,577**
Indirect Costs Allocated:		**$24,080**	**$24,894**
Total Costs:		**$189,657**	**$190,471**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$190,471}{6,385} = \$29.83 \text{ per Server per Month}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #19

Unit of Service: **Tivoli Storage Management**
Estimated Utilization: **306,905,430**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	9,673	9,673
3	Technical Support Personnel	88,073	88,073
4	Fringe Benefits	40,076	40,076
	Total Personnel	**$137,821**	**$137,821**
231	Server and Server Storage	71,000	71,000
	Total Hardware Maintenance	**$71,000**	**$71,000**
460	Tivoli Storage Management	157,559	157,559
	Total Software Maintenance	**$157,559**	**$157,559**
511	TSM Hardware Purchase	413,549	413,549
	Total Hardware Purchase	**$413,549**	**$413,549**
606	TSM Software Purchase	0	0
	Total Software Purchase	**$0**	**$0**
802	Consulting Service	0	35,000
	Total General Support Expense	**$0**	**$35,000**
Total Expense + Equipment:		**$642,108**	**$677,108**
Total Personnel and Expense + Equipment:		**$779,929**	**$814,929**
Indirect Costs Allocated:		**$113,425**	**$122,524**
Total Costs:		**$893,354**	**$937,453**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$937,453}{306,905,430} = \$0.00305 \text{ per Gigabyte per day}$$

FY12 Billing Rate Derivation
State Data Center

Category #20

Indirect Cost Components:

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
1	Administrative Personnel	480,425	480,425
2	Computer Operations Personnel	48,363	48,363
3	Technical Support Personnel	733,941	733,941
4	Fringe Benefits	517,719	517,719
	Total Personnel	**$1,780,447**	**$1,780,447**
102	Blade Center Lease	73,843	0
	Total Hardware Lease	**$73,843**	**$0**
231	Server and Server Storage	0	0
239	Batteries/UPS Maintenance	40,000	42,000
240	Generator Maintenance	7,037	7,741
	Total Hardware Maintenance	**$47,037**	**$49,741**
401	Axceler ControlPoint	0	14,500
427	GWI	49,000	0
428	Tivoli WAS\ND	0	0
460	Tivoli Storage Management	4,000	4,000
468	SQL	70,000	70,000
476	What's Up	4,000	4,000
	Total Software Maintenance	**$127,000**	**$92,500**
507	Server Storage Upgrades	0	0
509	Tools for Staff	38,000	38,000
	Total Hardware Purchase	**$38,000**	**$38,000**
803	Contracted Personnel	0	0
804	Disaster Recovery	4,950	4,950
805	IBM Global Network(Advantis)	10,000	10,000
806	Internet Access	1,500	1,500
807	IBM Server Support Line	45,000	45,000
808	MAN Connection/ANS Support/RLS Charges	112,800	112,800
810	Open Systems DR	81,720	81,720
811	Office Supplies, Equipment and Maintenance	12,500	12,500
812	Cell Phone	6,000	6,000
813	PDU/FDC	100,000	100,000
814	Postage/Inter Agency Mail Delivery	4,300	4,300
815	Printing and Binding	3,500	3,500
816	Racks, Cabinets, Furniture & Building Changes	100,000	350,000
817	Reserve for Unplanned Expense	300,000	300,000

State Data Center
Cost Allocation Plan
Fiscal Year 2012

Indirect Costs continued

Item Number	Description	$ FY11 CAP	$ FY12 CAP
819	Security Services	25,000	25,000
820	Subscriptions & Publications	5,000	5,000
821	Telephone Service and Equipment	57,500	57,500
822	Training & Professional Development	90,000	90,000
823	Travel	27,500	27,500
825	VPN - Access Charge	9,268	9,268
827	SSL Certificates	20,000	20,000
830	SAN/NAS Support Line	10,000	10,000
833	RedHat/JBoss Support	6,000	6,000
	Total General Support Expense	**$1,032,538**	**$1,282,538**
Total Expense + Equipment:		**$1,318,418**	**$1,462,779**
Total Personnel and Expense + Equipment:		**$3,098,865**	**$3,243,226**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #21

Unit of Service: **WAS**
Estimated Utilization: **324**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	58,715	58,715
4	Fringe Benefits	24,073	24,073
	Total Personnel	**$82,789**	**$82,789**
428	Tivoli WAS\ND	48,000	48,000
	Total Software Maintenance	**$48,000**	**$48,000**
Total Expense + Equipment:		**$48,000**	**$48,000**
Total Personnel and Expense + Equipment:		**$130,789**	**$130,789**
Indirect Costs Allocated:		**$19,021**	**$19,664**
Total Costs:		**$149,809**	**$150,452**

Rate Calculation:

Total Costs/Utilization

$$\frac{\$150,452}{324} = \$464.35951 \text{ per Image per Month}$$

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Billing Rate Derivation
State Data Center

Category #25

Unit of Service: **Data Domain**
Estimated Utilization: **849,635**

Estimated Cost:

Item Number	Description	$ FY11 CAP	$ FY12 CAP
2	Computer Operations Personnel	0	0
3	Technical Support Personnel	14,679	14,679
4	Fringe Benefits	6,018	6,018
	Total Personnel	**$20,697**	**$20,697**
231	Server and Server Storage	70,000	70,000
	Total Hardware Maintenance	**$70,000**	**$70,000**
505	Deduplication/Replication Purchase	200,000	200,000
	Total Hardware Purchase	**$200,000**	**$200,000**
Total Expense + Equipment:		**$270,000**	**$270,000**
Total Personnel and Expense + Equipment:		**$290,697**	**$290,697**
Indirect Costs Allocated:		**$42,276**	**$43,706**
Total Costs:		**$332,973**	**$334,403**

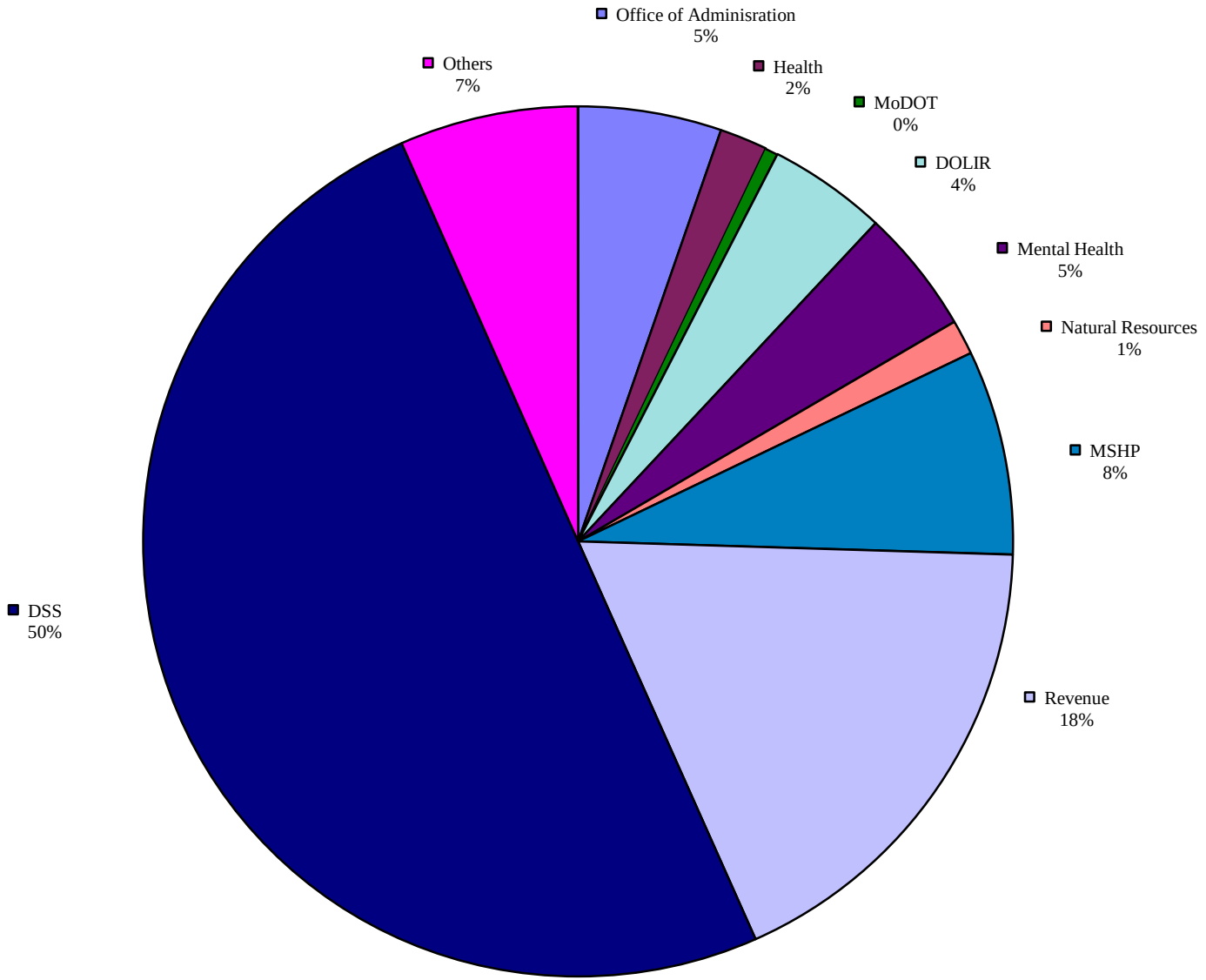
Rate Calculation:

Total Costs/Utilization

$$\frac{\$334,403}{849,635} = \$0.39358 \text{ per Gigabyte per day}$$

Cost Estimates (F)

FY12 State Data Center
Estimated Customer Billing



State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Cost Estimates by Customer
State Data Center

Agency	CICS Transactions	All Fusion Service Units	CPU Service Units
Senate	$ 45	$ 0	$ 150
House of Representatives	132	0	874
Legislative Research	16	0	25
State Courts Administrator	1,132	0	6,683
Secretary of State	398	0	3,718
Auditor	66	0	606
Treasurer	76	0	200
Attorney General	244	0	912
OA/ITSD Systems & Programming	396	8,986	72,896
OA/Missouri Ethics Commission	11	0	120
OA/Depty Commissioner	277	0	3,353
OA/Accounting	4,028	0	34,719
OA/Budget and Planning	137	0	725
OA/ITSD Production	10,531	8	573,024
OA/Design and Construction	271	0	1,227
OA/Personnel	8,593	0	19,722
OA/Purchasing	566	0	4,724
OA/General Services	2,179	0	9,610
OA/Facilities Management	812	0	3,880
OA/Administrative Hearing Commission	7	0	33
OA/OIT	0	0	0
Dept of Agriculture	424	0	1,706
Dept of Insurance	415	0	5,893
Dept of Conservation	588	0	3,378
Dept of Economic Development	1,679	0	30,762
Dept of Elementary & Secondary ED	2,070	0	9,094
Dept of Higher Education	208	0	1,564
Dept of Health & SS	23,458	0	165,546
Dept of Transportation	15,191	0	82,894
Dept of Labor & Industrial Relation	167,958	89	675,802
Dept of Mental Health	7,742	1	158,332
Dept of Natural Resources	2,787	0	73,514
Dept of Public Safety	2,097	0	13,075
Missouri State Highway Patrol	521,188	1,651	1,168,728
Kansas City Police Dept	17,525	0	10,436
ReJIS	53,036	0	33,816
Dept of Revenue	125,520	0	2,159,474
Lottery Commission	173	0	562
State Tax Commission	40	0	106
Highway Reciprocity Commission	0	0	1
Dept of Social Services	1,273,109	95,132	6,309,094
Dept of Corrections	7,969	0	27,125
Others	1,292	0	1,339
Agency Total :	**$2,254,386**	**$105,867**	**$11,669,443**

FY12 Cost Estimates by Customer
State Data Center

Agency	Tivoli Storage Management	Data Storage Management	DB2 Service Units
Senate	$ 0	$ 0	$ 30
House of Representatives	0	0	190
Legislative Research	0	0	5
State Courts Administrator	0	12	1,349
Secretary of State	0	13	857
Auditor	0	695	90
Treasurer	3,613	9	40
Attorney General	0	0	221
OA/ITSD Systems & Programming	68,521	7,954	5,802
OA/Missouri Ethics Commission	0	0	28
OA/Depty Commissioner	0	0	814
OA/Accounting	0	26	7,060
OA/Budget and Planning	654	0	142
OA/ITSD Production	4,875	63,751	61,764
OA/Design and Construction	0	37	247
OA/Personnel	0	7	3,431
OA/Purchasing	0	0	606
OA/General Services	0	181	2,069
OA/Facilities Management	2,759	16	733
OA/Administrative Hearing Commission	0	0	7
OA/OIT	0	0	0
Dept of Agriculture	0	0	416
Dept of Insurance	2,618	38	1,433
Dept of Conservation	0	0	728
Dept of Economic Development	18,612	2,324	1,535
Dept of Elementary & Secondary ED	537	0	2,032
Dept of Higher Education	5,311	0	401
Dept of Health & SS	0	5,325	24,278
Dept of Transportation	0	4	17,306
Dept of Labor & Industrial Relation	16,658	89,320	13,516
Dept of Mental Health	241,859	14,966	36,792
Dept of Natural Resources	0	5,242	15,960
Dept of Public Safety	7,570	0	3,128
Missouri State Highway Patrol	0	12,487	121,627
Kansas City Police Dept	0	0	0
ReJIS	419	0	0
Dept of Revenue	150,646	136,338	289,888
Lottery Commission	0	0	123
State Tax Commission	0	0	25
Highway Reciprocity Commission	0	24	0
Dept of Social Services	39,449	197,994	1,455,228
Dept of Corrections	8,374	0	6,180
Others	0	0	17
Agency Total :	**$572,476**	**$536,765**	**$2,076,100**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Cost Estimates by Customer
State Data Center

Agency	Direct Access Storage	VM Images	IDMS Run Units
Senate	$ 0	$ 0	$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	680
Secretary of State	18	0	13
Auditor	23	0	0
Treasurer	2	8,965	0
Attorney General	0	0	0
OA/ITSD Systems & Programming	27,995	43,757	102
OA/Missouri Ethics Commission	0	0	0
OA/Depty Commissioner	0	0	0
OA/Accounting	20	0	0
OA/Budget and Planning	0	640	0
OA/ITSD Production	88,599	13,874	0
OA/Design and Construction	16	0	1
OA/Personnel	350	0	33
OA/Purchasing	1	0	0
OA/General Services	118	0	7
OA/Facilities Management	10	5,123	0
OA/Administrative Hearing Commission	0	1,281	0
OA/OIT	0	0	0
Dept of Agriculture	0	4,482	0
Dept of Insurance	2	3,202	52
Dept of Conservation	0	0	492
Dept of Economic Development	2,328	16,436	294
Dept of Elementary & Secondary ED	0	12,594	0
Dept of Higher Education	0	12,807	0
Dept of Health & SS	563	0	89,632
Dept of Transportation	19	0	105
Dept of Labor & Industrial Relation	31,119	22,839	2,888
Dept of Mental Health	5,638	64,035	596
Dept of Natural Resources	737	34,152	0
Dept of Public Safety	0	12,594	0
Missouri State Highway Patrol	5,255	0	51,638
Kansas City Police Dept	0	0	12,036
ReJIS	0	0	54,474
Dept of Revenue	120,246	42,121	784,542
Lottery Commission	0	0	0
State Tax Commission	0	0	0
Highway Reciprocity Commission	46	0	0
Dept of Social Services	468,539	30,523	864,277
Dept of Corrections	0	8,325	0
Others	0	0	1,705
Agency Total :	**$751,649**	**$337,748**	**$1,863,568**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Cost Estimates by Customer
State Data Center

Agency	Print (Lines)	Print (Laser)	AD User ID
Senate	$ 0	$ 0	$ 9
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	8	62
Secretary of State	0	0	62
Auditor	0	20	27
Treasurer	0	0	338
Attorney General	0	0	2,028
OA/ITSD Systems & Programming	0	373	1,288
OA/Missouri Ethics Commission	0	0	89
OA/Depty Commissioner	0	0	18
OA/Accounting	68	1,145	0
OA/Budget and Planning	0	219	18
OA/ITSD Production	0	23,726	59
OA/Design and Construction	0	0	0
OA/Personnel	0	241	62
OA/Purchasing	0	392	36
OA/General Services	31	2,782	86
OA/Facilities Management	0	586	349
OA/Administrative Hearing Commission	0	0	9
OA/OIT	0	0	0
Dept of Agriculture	0	0	252
Dept of Insurance	0	0	349
Dept of Conservation	0	0	53
Dept of Economic Development	0	4,402	12,412
Dept of Elementary & Secondary ED	0	0	3,976
Dept of Higher Education	0	0	228
Dept of Health & SS	61	6,251	1,353
Dept of Transportation	0	5	142
Dept of Labor & Industrial Relation	0	419	1,146
Dept of Mental Health	0	0	190,352
Dept of Natural Resources	0	0	12,119
Dept of Public Safety	0	0	1,001
Missouri State Highway Patrol	0	1,116	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	634	437,758	5,084
Lottery Commission	0	0	0
State Tax Commission	0	0	71
Highway Reciprocity Commission	0	0	0
Dept of Social Services	275	1,205,160	5,821
Dept of Corrections	0	0	5,865
Others	0	0	18
Agency Total :	**$1,069**	**$1,684,604**	**$244,781**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Cost Estimates by Customer
State Data Center

Agency	AD Exchange Mailboxes	SAN	Server Support
Senate	$ 0	$ 0	$ 0
House of Representatives	0	0	0
Legislative Research	0	0	0
State Courts Administrator	0	0	0
Secretary of State	0	0	0
Auditor	0	0	0
Treasurer	0	4,404	0
Attorney General	52	0	0
OA/ITSD Systems & Programming	13,544	8,581	358
OA/Missouri Ethics Commission	1,623	0	0
OA/Depty Commissioner	3,578	0	0
OA/Accounting	2,461	0	0
OA/Budget and Planning	3,316	483	0
OA/ITSD Production	5,480	3,447	0
OA/Design and Construction	0	0	0
OA/Personnel	3,700	0	0
OA/Purchasing	3,351	0	0
OA/General Services	5,114	0	0
OA/Facilities Management	30,125	717	0
OA/Administrative Hearing Commission	1,431	279	0
OA/OIT	0	0	0
Dept of Agriculture	19,565	1,736	0
Dept of Insurance	35,465	483	3,460
Dept of Conservation	0	0	0
Dept of Economic Development	39,742	7,077	358
Dept of Elementary & Secondary ED	81,647	2,363	0
Dept of Higher Education	5,236	2,169	0
Dept of Health & SS	123,361	0	0
Dept of Transportation	0	0	0
Dept of Labor & Industrial Relation	61,192	7,063	835
Dept of Mental Health	328,876	72,269	28,636
Dept of Natural Resources	102,801	33,571	8,591
Dept of Public Safety	68,836	2,006	358
Missouri State Highway Patrol	0	0	0
Kansas City Police Dept	0	0	0
ReJIS	0	0	0
Dept of Revenue	91,293	20,974	5,290
Lottery Commission	0	0	0
State Tax Commission	3,473	0	0
Highway Reciprocity Commission	0	0	0
Dept of Social Services	468,346	4,235	1,432
Dept of Corrections	695,206	1,661	37,227
Others	524	0	0
Agency Total :	**$2,199,340**	**$173,516**	**$86,545**

State Data Center
Cost Allocation Plan
Fiscal Year 2012

FY12 Cost Estimates by Customer
State Data Center

Agency	WAS	Data Domain	Estimated Billing
Senate	$ 0	$ 0	$ 234
House of Representatives	0	0	1,196
Legislative Research	0	0	46
State Courts Administrator	0	0	9,927
Secretary of State	0	0	5,079
Auditor	0	0	1,527
Treasurer	0	0	17,646
Attorney General	0	0	3,458
OA/ITSD Systems & Programming	0	27,959	288,513
OA/Missouri Ethics Commission	0	0	1,871
OA/Depty Commissioner	0	0	8,039
OA/Accounting	0	0	49,528
OA/Budget and Planning	0	0	6,334
OA/ITSD Production	0	0	849,139
OA/Design and Construction	0	0	1,800
OA/Personnel	0	0	36,138
OA/Purchasing	0	0	9,677
OA/General Services	0	0	22,177
OA/Facilities Management	0	0	45,110
OA/Administrative Hearing Commission	0	0	3,046
OA/OIT	0	0	0
Dept of Agriculture	0	6,489	35,071
Dept of Insurance	0	0	53,410
Dept of Conservation	0	0	5,240
Dept of Economic Development	0	0	137,961
Dept of Elementary & Secondary ED	0	3,147	117,459
Dept of Higher Education	22,289	0	50,213
Dept of Health & SS	0	0	439,828
Dept of Transportation	0	0	115,668
Dept of Labor & Industrial Relation	0	0	1,090,845
Dept of Mental Health	0	0	1,150,096
Dept of Natural Resources	33,434	0	322,907
Dept of Public Safety	5,572	85,294	201,532
Missouri State Highway Patrol	0	0	1,883,690
Kansas City Police Dept	0	0	39,997
ReJIS	0	0	141,745
Dept of Revenue	50,151	0	4,419,958
Lottery Commission	0	0	858
State Tax Commission	0	0	3,715
Highway Reciprocity Commission	0	0	72
Dept of Social Services	0	0	12,418,614
Dept of Corrections	22,289	0	820,222
Others	0	0	4,894
Agency Total :	**$133,736**	**$122,889**	**$24,814,483**

Rate Comparison (G)

State Data Center
Cost Allocation Plan
Fiscal Year 2012

Comparison of Fiscal Year Billing Rates
State Data Center

Category	FY12	FY11	FY10	FY09	FY08
AD & Exchange Mailboxes (Monthly Rate)	4.36337	4.02566	2.45987	1.79155	1.99673
AD User ID (Monthly Rate)	0.74021	1.01424	0.63685	0.61351	0.53608
All Fusion CPU Service Units	0.02847	0.00875	0.01182	0.01604	0.01540
CICS Transactions	0.00087	0.00073	0.00088	0.00089	0.00089
CPU Service Units/1000	0.00944	0.00924	0.00955	0.00940	0.01205
Data Domain	0.39358	0.01303	0.00000	0.00000	0.00000
Data Storage Mgmt/GB Day	0.00867	0.01016	0.01143	0.02706	0.02661
DB2 Service Units/1000	0.00216	0.00177	0.00171	0.00162	0.00213
Disk Storage/GB Day	0.09566	0.08961	0.13896	0.19689	0.21855
IDMS Run Units	0.00537	0.00424	0.00365	0.00304	0.00141
Laser Feet Printed	0.03098	0.03153	0.04356	0.03820	0.03493
Laser Feet Printed/Duplex	0.02479	0.02522	0.03485	0.03056	0.02794
Lines (Impact) Printed/1000	0.36956	0.37603	0.51960	0.45571	0.41669
SAN	0.09361	0.26777	0.32114	0.30798	0.00000
Server Support	29.82952	52.21829	54.28303	45.50505	0.00000
Tivoli Storage Management	0.00305	0.00328	0.00204	0.00205	0.00110
VM	53.36238	57.01808	46.97878	58.48650	0.00000
WAS	464.35951	304.48994	0.00000	0.00000	0.00000

Cost Compare with Percentage of Change

Num.	Category Description	12 Percentage of change	FY12	11 Percentage of change	FY11	10 Percentage of change	FY10	09 Percentage of change	FY09	08 Percentage of change	FY08
1	Laser Feet Printed	-2%	0.03098	-28%	0.03153	14%	0.04356	9%	0.03820	4%	0.03493
1	Lines (Impact) Printed/1000	-2%	0.36956	-28%	0.37603	14%	0.51960	9%	0.45571	4%	0.41669
1	Laser Feet Printed/Duplex	-2%	0.02479	-28%	0.02522	14%	0.03485	9%	0.03056	4%	0.02794
2	CPU Service Units/1000	2%	0.00944	-3%	0.00924	1%	0.00955	-22%	0.00940	-19%	0.01205
3	CICS Transactions	19%	0.00087	-17%	0.00073	-2%	0.00088	0%	0.00089	-1%	0.00089
5	Data Storage Mgmt/GB Day	-15%	0.00867	-11%	0.01016	-58%	0.01143	2%	0.02706	5%	0.02661
7	AD User ID per Month	-27%	0.74021	59%	1.01424	4%	0.63685	14%	0.61351		0.53608
7	AD & Exchange Mailbox per Month	8%	4.36337	64%	4.02566	37%	2.45987	-10%	1.79155		1.99673
8	Disk Storage/GB Day	7%	0.09566	-36%	0.08961	-29%	0.13896	-10%	0.19689	-8%	0.21855
10	IDMS Run Units	27%	0.00537	16%	0.00424	20%	0.00365	115%	0.00304	-44%	0.00141
11	DB2 Service Units/1000	22%	0.00216	4%	0.00177	6%	0.00171	-24%	0.00162	-28%	0.00213
14	All Fusion CPU Service Units/1000	225%	0.02847	-26%	0.00875	-26%	0.01182	4%	0.01604	-11%	0.01540
15	VM per Image per Month	-6%	53.36238	21%	57.01808	-20%	46.98	0%	58.49		
16	SAN per 1GB per Month	-65%	0.09361	-17%	0.26777	4%	0.32	0%	0.31		
17	Server Support per Server per Month	-43%	29.82952	-4%	52.21830	19%	54.28	0%	45.51		
19	Tivoli Storage Mngt/GB Day	-7%	0.00305	61%	0.00328	-1%	0.00204	87%	0.00205	0%	0.00110
21	WAS per Image per Month	53%	464.35956	0%	304.48998						
25	Data Domain GB Day	2920%	0.39358	0%	0.01303						